Headlight switch

The headlights can be operated manually or automatically.

Operating instructions

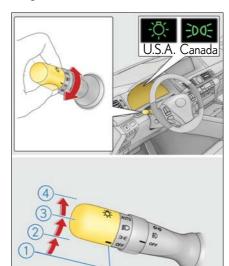
Turning the end of the lever turns on the lights as follows:

1. OFF (U.S.A.) or O (Canada)

   The daytime running lights turn on.

2. The side marker, tail, license plate, instrument panel and daytime running lights turn on.

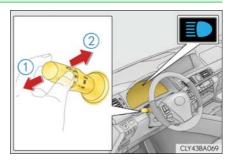
3. The headlights, parking lights and all lights listed (except daytime running lights) above turn on.

4. AUTO The headlights, parking lights, daytime running lights and all the lights listed above turn on and off automatically.
   (When the engine switch is in IGNITION ON mode.)

Turning on the high beam headlights

1. With the headlights on, push the lever away from you to turn on the high beams.

   Pull the lever toward you to the center position to turn the high beams off.

2. Pull the lever toward you and release it to flash the high beams once.

   You can flash the high beams with the headlights on or off.

AFS (Adaptive Front-lighting System)

AFS (Adaptive Front-lighting System) secures excellent visibility at intersections and on curves by automatically adjusting the direction of the light axis of the headlights according to vehicle speed and the degree of the tire's angle as controlled by steering input.

AFS operates at speeds of 6 mph (10 km/h) or higher.

■ **Daytime running light system**

● To make your vehicle more visible to other drivers, the parking lights turn on automatically (at an increased intensity) whenever the engine is started and the parking brake is released. Daytime running lights are not designed for use at night.

● Compared to turning on the headlights, the daytime running light system offers greater durability and consumes less electricity, so it can help improve fuel economy.

■ **Headlight control sensor**

The sensor may not function properly if an object is placed on the sensor, or anything that blocks the sensor is affixed to the windshield.
Doing so interferes with the sensor detecting the level of ambient light and may cause the automatic headlight system to malfunction.

■ **Automatic light off system**

When the light switch is in AUTO: The headlights and tail lights turn off 30 seconds after the engine switch is turned to ACCESSORY mode or turned off and a door is opened and all of the doors and trunk are closed. (The lights turn off immediately if 🔒 on the key is pressed after all the doors are closed.)

To turn the lights on again, turn the engine switch to IGNITION ON mode, or turn the light switch off once and then back to (parking lights) or (headlights).
If any of the doors or trunk lid is kept open, the lights automatically turn off after 20 minutes.

■ **Light reminder buzzer**

A buzzer sounds when the engine switch is turned off or turned to ACCESSORY mode and the driver's door is opened while the lights are turned on.

■ **Automatic headlight leveling system**

The level of the headlights is automatically adjusted according to the number of passengers and the loading condition of the vehicle to ensure that the headlights do not interfere with other road users.

■ Battery-saving function

In the following conditions, the remaining lights will go off automatically after 20 minutes in order to prevent the vehicle battery from being discharged:

- The headlights and/or tail lights are on.
- The engine switch is turned to ACCESSORY mode or turned off.

This function will be canceled in any of the following situations:

- When the engine switch is turned to IGNITION ON mode.
- When the light switch is operated.
- When the door or trunk is opened or closed.

■ Customization

Settings (e.g. light sensor sensitivity) can be changed.
(Customizable features: →P. 872)

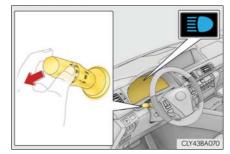
■ To prevent battery discharge

Do not leave the lights on longer than necessary when the engine is not running.

Automatic High Beam*

The Automatic High Beam uses an in-vehicle camera sensor to assess the brightness of streetlights, the lights of oncoming and preceding vehicles, etc., and automatically turns high beam on or off as necessary.

Activating the Automatic High Beam system

1 Push the lever away from you with the headlight switch in AUTO or ≣D position.

2 Press the Automatic High Beam switch.

The Automatic High Beam indicator will come on when the headlights are turned on automatically to indicate that the system is active.

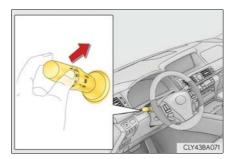
*: If equipped

Turning the high beam on/off manually

■ Switching to low beam

Pull the lever to original position.

The Automatic High Beam indicator will turn off.

Push the lever away from you to activate the Automatic High Beam system again.

■ Switching to high beam

Press the Automatic High Beam switch.

The Automatic High Beam indicator will turn off and the high beam indicator will turn on.

Press the switch to activate the Automatic High Beam system again.

High beam automatic turning on or off conditions

- When all of the following conditions are fulfilled, high beam will be automatically turned on (after approximately 1 second):
  - Vehicle speed is above approximately 21 mph (34 km/h).
  - The area ahead of the vehicle is dark.
  - There are no oncoming or preceding vehicles with headlights or tail lights turned on.
- If any of the following conditions are fulfilled, high beam will be automatically turned off:
  - Vehicle speed drops below approximately 17 mph (27 km/h).
  - The area ahead of the vehicle is not dark.
  - Oncoming or preceding vehicles have headlights or tail lights turned on.

■ The Automatic High Beam can be operated when

The engine switch is in IGNITION ON mode.

■ Camera sensor detection information

- High beam may not be automatically turned off in the following situations:
  - When oncoming vehicles suddenly appear from a curve
  - When the vehicle is cut in front of by another
  - When oncoming or preceding vehicles are hidden from sight due to repeated curves, road dividers or roadside trees
- High beam may be turned off if an oncoming vehicle that is using fog lights without using the headlights is detected.
- House lights, street lights, red traffic signals, and illuminated billboards or signs may cause the high beam to turn off.
- The following factors may affect the amount of time taken to turn high beam on or off:
  - The brightness of headlights, fog lights, and tail lights of oncoming and preceding vehicles
  - The movement and direction of oncoming and preceding vehicles
  - When a oncoming or preceding vehicle only has operational lights on one side
  - When a oncoming or preceding vehicle is a two-wheeled vehicle
  - The condition of the road (gradient, curve, condition of the road surface etc.)
  - The number of passengers and amount of luggage
- High beam may be turned on or off when unexpected by the driver.
- Small vehicles, such as bicycles, may not be detected.

- In the situations below, the system may not be able to correctly detect the surrounding brightness levels, and may flash or expose oncoming or preceding vehicles to the high beam or may continue using the low beam. Therefore, in these situations you should consider turning the high beams on or off manually rather than relying on the Automatic High Beam system.
  - In bad weather (rain, snow, fog, sandstorms etc.)
  - The windshield is obscured by fog, mist, ice, dirt etc.
  - The windshield is cracked or damaged.
  - The inside rear view mirror or camera sensor is deformed or dirty.
  - The camera sensor temperature is extremely high.
  - Surrounding brightness levels are equal to those of headlights, tail lights or fog lights.
  - Vehicles ahead have headlights that are either switched off, dirty, are changing color, or have are not aimed properly.
  - When driving through an area of intermittently changing brightness and darkness.
  - When frequently and repeatedly driving ascending/descending roads, or roads with rough, bumpy or uneven surfaces (such as stone-paved roads, gravel tracks etc.).
  - When frequently and repeatedly taking curves or driving on a winding road.
  - There is a highly reflective object ahead of the vehicle, such as a sign or a mirror.
  - The back of a vehicle ahead is highly reflective, such as a container on a truck.
  - The vehicle’s headlights are damaged or dirty.
  - The vehicle is listing or tilting, due to a flat tire, a trailer being towed etc.

■ Temporary lowering sensor sensitivity

The sensitivity of the sensor can be temporarily lowered.
To lower the sensitivity, push and hold the “AUTO” button on the inside rear view mirror for 15 to 20 seconds, and release. The indicator light on the inside rear view mirror will flash to indicate that the sensitivity has been lowered.

When the engine switch is turned off, the sensitivity will be returned to its normal level.

 CAUTION

■ Limitations of the Automatic High Beam

Do not rely on the Automatic High Beam. Always drive safely, taking care to observe your surroundings and turn the high beam on or off manually if necessary.

NOTICE

■ **Notes when using the Automatic High Beam system**

Observe the following to ensure that the Automatic High Beam functions correctly.

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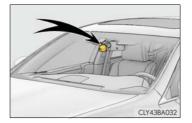
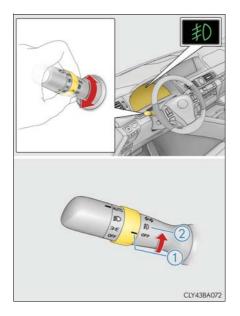

- Do not touch the camera sensor.
- Do not subject the inside rear view mirror or the camera sensor to a strong impact.
- Do not disassemble the camera sensor.
- Do not spill liquid onto the inside rear view mirror or the camera sensor.
- Do not apply window tinting or stickers to the camera sensor or the area of windshield near the camera sensor.
- Do not place items on the dashboard. There is a possibility that the camera sensor will mistake items reflected in the windshield for streetlights, the headlights of other vehicles, etc.
- Do not install a parking tag or any other accessories near or around the inside rear view mirror and the camera sensor.
- Do not overload the vehicle.
- Do not modify the vehicle.
- Do not replace the windshield with a non-genuine windshield.
  Contact your Lexus dealer.

Fog light switch

The fog lights secure excellent visibility in difficult driving conditions, such as in rain and fog.

① OFF (U.S.A.) or ○ (Canada)
Turns the front fog lights off

② (fog light symbol) Turns the front fog lights on

■ **Fog lights can be used when**

The headlights are on in low beam.

Windshield wipers and washer

Operating the wiper lever

Operate the lever as follows to operate the wipers.

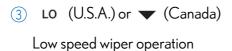
1. MIST (U.S.A.) or △ (Canada)

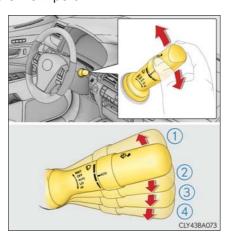
   Temporary operation

2. AUTO Rain-sensing wiper operation

   The wipers will operate automatically when the sensor detects falling rain. The system automatically adjusts wiper timing in accordance with rain volume and vehicle speed.

3. LO (U.S.A.) or ▼ (Canada)

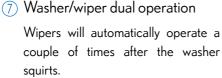
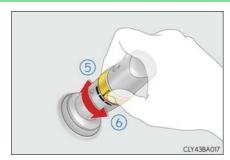
   Low speed wiper operation

4. HI (U.S.A.) or ⏬ (Canada)

   High speed wiper operation

When “AUTO” mode is selected, the sensor sensitivity can be adjusted by turning the switch ring.

⑤ Increases the sensitivity

⑥ Decreases the sensitivity

⑦ Washer/wiper dual operation

Wipers will automatically operate a couple of times after the washer squirts.

■ **The windshield wiper and washer can be operated when**

The engine switch is in IGNITION ON mode.

■ **Dripping prevention wiper sweep**

After washing and the wiper has operated several times, the wipers operate one more time after a short delay to prevent dripping.

However, the last sweep will not happen if the vehicle is traveling above 106 mph (170 km/h).

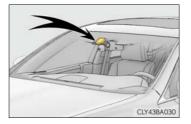
■ **Effects of vehicle speed on wiper operation**

Even when the wipers are not in “AUTO” mode, vehicle speed affects the time until the drip prevention wiper sweep occurs.

With low speed windshield wiper operation selected, wiper operation will be switched from low speed to intermittent wiper operation only when the vehicle is stationary.
(However, when the sensor sensitivity is adjusted to the highest level, the mode cannot be switched.)

■ **Raindrop sensor**

● The raindrop sensor judges the amount of raindrops.

An optical sensor is adopted. It may not operate properly when sunlight from the rising or setting of the sun intermittently strikes the windshield, or if bugs etc. are present on the windshield.

● If the wiper is turned to "AUTO" mode while the engine switch is in IGNITION ON mode, the wipers will operate once to show that "AUTO" mode is activated.

● If the temperature of the raindrop sensor is 194°F (90°C) or higher, or 5°F (-15°C) or lower, automatic operation may not occur. In this case, operate the wipers in any mode other than "AUTO" mode.

■ **If no windshield washer fluid sprays**

Check that the washer nozzles are not blocked if there is washer fluid in the windshield washer fluid reservoir.

■ **Outside rear view mirror defogger activation linked to windshield wiper operation**

The outside rear view mirror defoggers automatically turn on when you operate the windshield wipers. (→P. 418)
The outside rear view mirror defoggers automatically turn off approximately 15 minutes after the wipers stop.

⚠ CAUTION

■ **Caution regarding the use of windshield wipers in "AUTO" mode**

The windshield wipers may operate unexpectedly if the sensor is touched or the windshield is subject to vibration in "AUTO" mode. Take care that your fingers or anything else do not become caught in the windshield wipers.

■ **Caution regarding the use of washer fluid**

When it is cold, do not use the washer fluid until the windshield becomes warm. The fluid may freeze on the windshield and cause low visibility. This may lead to an accident, resulting in death or serious injury.

NOTICE

■ **When the windshield is dry**

Do not use the wipers, as they may damage the windshield.

■ **When there is no washer fluid spray from the nozzle**

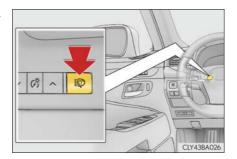
Damage to the washer fluid pump may be caused if the lever is pulled toward you and held continually.

■ **When a nozzle becomes blocked**

In this case, contact your Lexus dealer.
Do not try to clear it with a pin or other object. The nozzle will be damaged.

Headlight cleaner switch*

Washer fluid can be sprayed on the headlights.

Press the switch to clean the head-lights.

■ **The headlight cleaners can be operated when**

The engine switch is in IGNITION ON mode and the headlight switch is turned on.

■ **Windshield washer linked operation**

When the windshield washer is operated with the engine switch in IGNITION ON mode and the headlights on, the headlight cleaners will operate once. (→P. 235)

NOTICE

■ **When the washer fluid tank is empty**

Do not press the switch continually as the washer fluid pump may overheat.

*: If equipped